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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/502,088

07/22/2004

Gang Hoon Lee

HI-207

5506

34610 7590 05/06/2008

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EXAMINER

SANDY, ROBERT JOHN

ART UNIT

PAPER NUMBER

3677

MAIL DATE

DELIVERY MODE

05/06/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Supplemental  
Notice of Allowability**

**Application No.**

10/502,088

**Examiner**

Robert J. Sandy

**Applicant(s)**

LEE ET AL.

**Art Unit**

3677

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the appeal brief filed on 12/01/2007.
2. ☒ The allowed claim(s) is/are 2,4,7-9,12-14,18-24 and 26-32.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____     | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other ____.   |

**This paper is a Supplemental to the communication mailed 03/21/2008.**

The allowed claims indicated in the prior communication were indicated in error as claims 2, 4, 7-9 and 12-32. The correct allowed claim should have read as **claims 2, 4, 7-9, 12-14, 16-24, and 26-32**. Therefore, this Supplemental is a reprint of the prior communication showing the corrected claims numbers.

**EXAMINER'S COMMENT/REASON FOR ALLOWANCE**

In view of applicant's Appeal Brief filed 01 December 2007, claims 2, 4, 7-9, 12-14, 16-24, and 26-32 are in condition for allowance, in which further consideration has been given to applicant's arguments presented in the Appeal Brief.

In view of applicant's argument pertaining to the "Rejections Under §112" beginning on page 6 of the filed Brief, the rejection under 35 U.S.C. §112, second paragraph, indicated in the Final Rejection mailed 01/24/2006 has been withdrawn.

In view of applicant's arguments pertaining to at least independent claim 14 beginning on page 8 of the filed Brief, where summararily Cho and Rude do not teach or suggest all the claimed feature of claim 14, is found persuasive. The prior art of record fails to teach or make obvious a hinge structure for a flat visual display device, the hinge structure requiring the structural combination of: a braking member made of engineering plastic and provided on an outer circumference of a rotation shaft which is inserted into fixed and pivotal plates, the braking member comprises: a frictional face contacting with the rotation shaft for providing braking force, and braking-tightening planes extended from the frictional face and having contact faces into which a leaf spring and a braking-adjustable member are inserted for adjusting braking force; a braking housing around the braking member for maintaining the strength of the braking member; and at least one elastic member having a first end coupled to one of the pivotal plates and a second end coupled to the fixed plate, wherein the at least one elastic member is configured to generate a restoring force to offset the weight of the flat visual display device so as to adjust the flat visual display device with a slight amount of force, whereby the weight of the flat visual display device is supported and the movement thereof is compensated.

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Claims 12, 13 and 27-32, which have been indicated as being withdrawn from consideration as being directed to a non-elected invention, as indicated in the Office action mailed 01/24/2006, have been rejoined, and considered on their merits. Therefore, any implied or expressed restriction requirement previously presented has been withdrawn. Thus, claims 12, 13 and 27-32 are in condition for allowance since the prior art of record fails to teach or make obvious a hinge structure for a display device, requiring the structural combination of:

a fixed plate having a main body portion and first and second arms that extend from the main body portion; a rotation shaft that passes through the first and second arms of the fixed plate; first and second pivotal plates configured to be attached to a display, wherein the first and second pivotal plates are fixed to first and second ends of the rotation shaft such that the pivotal plates rotate with the rotation shaft relative to the fixed plate; and a hinge-fixing unit having first and second rotation shaft guides which receive the first and second ends of the rotation shaft, wherein the hinge-fixing unit is configured to restrict shaking of the rotation shaft, and wherein the fixed plate is attached to and supported by the hinge-fixing unit.

Concerning independent claim 20, the prior art of record fails to teach or make obvious a hinge structure for a display device, requiring the structure combination of a fixed plate having a main body portion and first and second arms that extend from the main body portion; a rotation shaft that passes through the first and second arms of the fixed plate; first and second pivotal plates, wherein the first and second pivotal plates are fixed to first and second ends of the rotation shaft such that the pivotal plates rotate with the rotation shaft relative to the fixed plate; and a braking unit which is mounted on the fixed plate, wherein the braking unit is configured to apply a frictional force to the rotation shaft to limit rotation of the rotation shaft relative to the fixed plate.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert J. Sandy whose telephone number is 571-272-7073. The examiner can normally be reached on M-F (7:30-4:00).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vic Batson can be reached on 571-272-6987. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Robert J. Sandy/  
Primary Examiner, Art Unit 3677

Robert J. Sandy  
Primary Examiner  
Art Unit 3677